

Approved for use through 03/31/2007. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/039,774	
			Filing Date	November 9, 2001	
			First Named Inventor	Wang	
			Art Unit	3728	
			Examiner Name	Johnson	
Sheet	1	of	1	Attorney Docket Number	RID 01058

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
[Signature]		US-	5,098,635	03-24-1992	Widmer	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TS
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	[Signature]	Date Considered	14 Sept 07
-----------------------	-------------	--------------------	------------

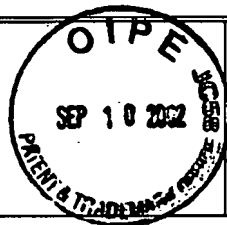
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). See Kin8s Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>2</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>3</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

USPTO Form 1449 U.S. Department of Commerce  
Patent and Trademark Office  
**INFORMATION DISCLOSURE  
CITATION**

Sheet 1 of 5



Attorney Docket No.  
RID 01058 (03259-00018)

Serial No.  
TBA 10/039,774

Applicant: Ting Wang, et al

Filing Date: November 9, 2001

Group 378

**U.S. PATENT DOCUMENTS**

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JP	AA	1,611,278	12/21/26	Petersen	—	—	09/26/22
↑	AB	1,846,820	02/23/32	Darling et al.	—	—	
	AC	2,769,795	11/06/56	Braendle	260	41.5	02/01/56
	AD	3,048,559	08/1962	Heller et al.	260	33	12/10/58
	AE	3,108,982	10/1963	Barclay	523	334	04/15/60
	AF	3,335,200	08/1967	Thorn	523	333	12/04/63
	AG	3,403,121	09/24/68	Hare	260	33.6	07/17/64
	AH	3,767,605	10/23/73	Gerlicher	260	23.7	08/13/69
	AI	3,494,740	02/10/70	Speck	23	209.4	07/01/68
	AJ	4,064,093	12/20/77	Dalton et al.	260	29.7	09/22/76
	AK	4,213,957	07/22/80	Hunt et al.	423	450	12/11/78
	AL	4,299,952	11/10/81	Pingel et al.	528	500	03/24/80
	AM	4,542,992	09/24/85	Markhart	366	300	10/17/84
	AN	4,552,725	11/12/85	Audeh	422	140	02/07/83
	AO	4,643,890	02/17/87	Schramm	423	659	09/05/84
	AP	5,009,849	04/23/91	Ebner et al.	422	83	06/28/89
	AQ	5,119,927	06/09/92	Bruggemann	198	847	05/03/91
✓	AR	5,472,928	12/05/95	Scheuerman et al.	502	305	04/29/94
JP	AS	5,733,440	03/31/98	Stangeland et al.	208	148	11/14/96

**FOREIGN PATENT DOCUMENTS** Sheet 2 of 5

10/039,774

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
JJ	AT	EP 0,051,450	05/12/82	EPO				
	AU	EP 0,287,392 A3	10/19/88	EPO				
	AV	EP 0,570,715 A1	11/24/93	EPO				
	AW	EP 0,620,250 A1	10/19/94	EPO				
	AX	EP 0,763,558 A1	03/19/97	EPO				
	AY	DE 1,063,364	08/13/59	Germany				
	AZ	GB 705,334	03/10/54	UK				
	BA	EP 028,743	08/17/88	EPO				
	BB	EP 028,138	10/19/88	EPO				
	BC	EP 0 42,3759	04/24/91	EPO				
	BD	JP 570,533,40	03/30/82	Japan				
	BE	WO 96/37547	11/28/96	PCT				
	BF	WO 97,36724	10/09/97	PCT				
JJ	BG	WO 99/16600	04/08/99	PCT				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

JJ	BH	"Functionalization of Elastomers by Reactive Mixing," The Malaysian Rubber Producers' Research Association, The Common Fund for Commodities, pp. 308-312 (1994)
JJ	BI	Wahab et al., "Natural Rubber Carbon Black Masterbatches from Field Latex," <i>Proc. NR Technology Seminar</i> , Rubber Research Institute of Malaysia, pp. 29-31 (1978)
JJ	BJ	Abstract of Japanese patent no. JP 57 053340, <i>Patent Abstract of Japan</i> , 6(126)(M-142) (Bridgestone Corp.) (1982)

**EXAMINER**

Fik

**Jim Foster**  
**Primary Examiner**
**DATE CONSIDERED**

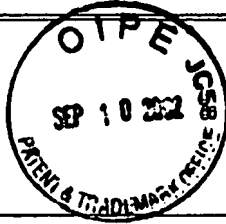
6/12/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.

**INFORMATION DISCLOSURE  
CITATION**

Sheet 3 of 5



Attorney Docket No.  
**RID 01058 (03259-00018)**

Serial No.  
**TBA 10/039,774**

Applicant: **Ting Wang, et al**

Filing Date: **November 9, 2001**

Group **3728**

**U.S. PATENT DOCUMENTS**

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
J7	BK	3,887,532	06/03/75	Neubert	260	85.1	02/15/73
↑	BL	4,025,711	05/24/77	Davidson et al.	528	488	03/08/76
	BM	4,029,633	06/14/77	Hagopian et al.	260	42.55	04/14/76
	BN	4,103,074	07/25/78	Hertel et al.	528	487	11/15/76
	BO	4,124,550	11/07/78	Kobayashi et al.	260	23.3	06/17/76
	BP	4,265,939	05/05/81	Tebbens et al.	427	222	12/05/79
↓	BQ	4,302,377	11/24/81	Gurak et al.	528	487	12/05/79
J7	BR	4,303,569	12/01/81	Güurak et al.	260	29.7	12/05/79

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
J7	BS	DE 1,620,918	03/09/72	Germany				
J7	BT	GB 705,344	03/10/54	Great Britain				
J7	BU	CH 581,493	11/15/76	Switzerland				
J7	BV	WO 97/36724A2/A3	10/09/97	PCT				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

J7	BW	Abstract of Japanese patent no. JP 52 62918, <i>Patent Abstract of Japan</i> , 18(32)(C - 1154) (Yokohama Rubber Co.) (1992)
J7	CA	Communication relating to the results of the Partial International Search, PCT/US97/05276, 2 pages w/ attached Patent Family Annex (2 pages).

**EXAMINER**

*J7*

**Jim Foster  
Primary Examiner**

**DATE CONSIDERED**

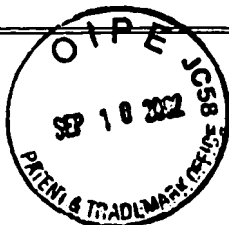
**6/12/03**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.

**INFORMATION DISCLOSURE  
CITATION**

Sheet 4 of 5



Attorney Docket No.  
RID 01058 (03259-00018)

Serial No.  
TBA 10/039,774

Applicant: Ting Wang, et al

Filing Date: November 9, 2001

Group: 3728

**U.S. PATENT DOCUMENTS**

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
J7	CB	4,375,497	03/01/83	Sandstrom	428	407	08/27/81
	CC	4,446,309	05/01/84	Jiroumaru et al.	528	486	02/23/82
	CD	4,456,381	06/26/84	Inoue et al.	366	97	02/17/81
	CE	4,718,771	01/12/88	Asai et al.	366	97	08/15/86
	CF	4,744,744	05/17/88	Sugimori et al.	425	464	03/22/84
	CG	4,914,186	04/03/90	Miss et al.	528	500	04/12/88
	CH	4,917,211	04/17/90	Yamada et al.	181	0.5	12/21/88
J7	CI	4,917,501	04/17/90	Simonet	366	99	06/05/89

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

J7	CJ	"Continuous Mixers for the Polymer Industry," Farrel Corporation bulletin no. 234-B (1993)
J7	CK	"CP-Series II™ Compact Processor," Farrel Corporation bulletin no. 262-C (1995)
J7	CL	Written Opinion mailed Jan. 13, 1998 for PCT/US97/05267

EXAMINER

*J7*

Jim Foster  
Primary Examiner

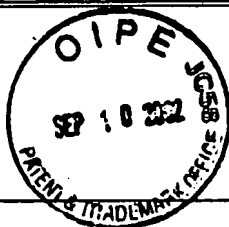
DATE CONSIDERED

6/12/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.

USPTO Form 1449 U.S. Department of Commerce  
Patent and Trademark Office  
**INFORMATION DISCLOSURE  
CITATION**



Attorney Docket No.  
RID 01058 (03259-00018)

Serial No.  
TBA 10/039,774

Applicant: Ting Wang, et al

Filing Date: November 9, 2001

Group: 3728

Sheet 5 of 5

**U.S. PATENT DOCUMENTS**

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JF	DA	5,047,287	09/10/91	Horiuchi et al.	428	248	12/27/88
	DB	5,119,227	06/02/92	Dawson et al.	359	244	09/23/91
	DC	5,205,972	04/27/93	Kafka	264	101	10/28/91
	DD	5,227,425	07/13/93	Rauline	524	493	02/20/92
	DE	5,264,290	11/23/93	Touchet et al.	428	492	03/04/92
	DF	5,328,949	07/12/94	Sandstrom et al.	524	262	12/02/93
	DG	5,430,088	07/04/95	Ohashi et al.	524	496	01/28/94
	DH	5,516,833	05/14/96	Ohashi et al.	524	495	10/22/93
	DI	5,558,316	09/24/96	Lee et al.	267	140.12	10/03/95
	DJ	5,599,868	02/04/97	Bohm et al.	524	495	04/19/94
JF	DK	5,639,817	06/17/97	Probst et al.	524	496	03/03/94
JF	DL	5,658,657	08/19/97	Tomizawa et al.	428	323	05/26/95

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**


EXAMINER

JF

Jim Foster  
Primary Examiner

DATE CONSIDERED

6/12/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.